

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-47 (Cancelled)

48. (Previously Presented) A method for object retransmission without a continuous network connection in a digital media distributor system, the method comprising:

transmitting a plurality of objects from a central site to each of a plurality of receivers in a zone;

receiving a response document from each of the plurality of receivers, each response document being asynchronously transmitted from the respective receiver to the central site; and

determining which of the plurality of objects to retransmit to each of the plurality of receivers based upon the received response documents.

49. (Previously Presented) The method of claim 48, further comprising:

retransmitting the determined objects to each of the plurality of receivers in the zone.

50. (Previously Presented) The method of claim 49, wherein the plurality of objects comprises a plurality of asset files and a plurality of system support files, the plurality of asset files comprising a plurality of media files and the plurality of system support files comprising an upcoming playlist.

51. (Previously Presented) The method of claim 50, wherein each response document comprises a Missing Asset List and a Delivered File Log.

52. (Previously Presented) The method of claim 51, wherein each Missing Asset List comprises one or more asset files included in the upcoming playlist and missing from an inventory of asset files at the respective receiver.

53. (Previously Presented) The method of claim 52, wherein each of the plurality of receivers contacts the central site at regularly scheduled call back times, the time period between successive call back times being a receiver time window for the respective receiver.

54. (Previously Presented) The method of claim 53, wherein each Delivered File Log comprises one or more of the plurality objects received by the respective receiver and a received time for each of the one or more received objects, wherein each received time is within the receiver time window for the respective receiver.

55. (Previously Presented) The method of claim 54, wherein determining which of the plurality of objects to retransmit comprises:

analyzing the Missing Asset List received from each of the plurality of receivers; and
compiling a list of all asset files missing from the plurality of receivers in the zone.

56. (Previously Presented) The method of claim 55, wherein determining which of the plurality of objects to retransmit further comprises:

calculating a zone time window, the zone time window being a period of time beginning when a prior zone time window ended and ending when a first receiver in the zone contacts the central site;

analyzing the Delivered File Log received from each of the plurality of receivers;

compiling a list of all objects received within the zone time window by the plurality of receivers in the zone;

comparing the list of all received objects to a list of objects transmitted from the central site to each of the plurality of receivers in the zone within the zone time window;

compiling a list of all objects missing from the plurality of receivers in the zone; and

comparing the list of all missing objects to the list of all missing asset files to determine which of the missing objects to retransmit to each of the plurality of receivers in the zone.

57. (Previously Presented) The method of claim 56, wherein determining which of the plurality of objects to retransmit further comprises:

comparing the Delivered File Log received from each of the plurality of receivers to a list of objects transmitted from the central site to each of the plurality of receivers in the zone within the respective receiver time window;

compiling, for each of the plurality of receivers, a list of all objects missing from the respective receiver; and

comparing the list of all missing objects for each of the plurality of receivers to the list of all missing asset files for the plurality of receivers in the zone and to the list of all missing

objects for the plurality of receivers in the zone to determine which of the missing objects for the respective receiver to retransmit to the respective receiver.

58. (Previously Presented) The method of claim 48, wherein each response document comprises a Content List, each Content List comprising an inventory of objects at the respective receiver.

59. (Previously Presented) The method of claim 58, further comprising:
utilizing the response document received from each of the plurality of receivers to manage the inventory of objects at the respective receiver.

60. (Previously Presented) The method of claim 59, wherein utilizing the response document received from each of the plurality of receivers to manage the inventory of objects at the respective receiver comprises:

comparing the Content List received from each of the plurality of receivers to an asset inventory list for the zone;

compiling, for each of the plurality of receivers, a Purge List of all objects in the respective Content List that are not in the asset inventory list for the zone; and

instructing each of the plurality of receivers to delete objects listed in the respective Purge List.

61. (Previously Presented) A digital media distributor system comprising:
a zone comprising a plurality of receivers; and

a central site for transmitting a plurality of objects to each of the plurality of receivers in the zone, wherein the central site comprises a response document processor (RDP) module for receiving a response document from each of the plurality of receivers, each response document being asynchronously transmitted from the respective receiver to the RDP module, and for determining which of the plurality of objects to retransmit to each of the plurality of receivers based upon the received response documents.

62. (Previously Presented) The digital media distributor system of claim 61, wherein the plurality of objects comprises a plurality of asset files and a plurality of system support files, the plurality of asset files comprising a plurality of media files and the plurality of system support files comprising an upcoming playlist.

63. (Previously Presented) The digital media distributor system of claim 62, wherein each response document comprises a Missing Asset List and a Delivered File Log.

64. (Previously Presented) The digital media distributor system of claim 63, wherein each Missing Asset List comprises one or more asset files included in the upcoming playlist and missing from an inventory of asset files at the respective receiver.

65. (Previously Presented) The digital media distributor system of claim 64, wherein each of the plurality of receivers contacts the central site at regularly scheduled call back times, the time period between successive call back times being a receiver time window for the respective receiver.

66. (Previously Presented) The digital media distributor system of claim 65, wherein each Delivered File Log comprises one or more of the plurality objects received by the respective receiver and a received time for each of the one or more received objects, wherein each received time is within the receiver time window for the respective receiver.

67. (Previously Presented) The digital media distributor system of claim 66, wherein determining which of the plurality of objects to retransmit comprises:

- analyzing the Missing Asset List received from each of the plurality of receivers;

- compiling a list of all asset files missing from the plurality of receivers in the zone;

- calculating a zone time window, the zone time window being a period of time beginning when a prior zone time window ended and ending when a first receiver in the zone contacts the central site;

- analyzing the Delivered File Log received from each of the plurality of receivers;

- compiling a list of all objects received within the zone time window by the plurality of receivers in the zone;

- comparing the list of all received objects to a list of objects transmitted from the central site to each of the plurality of receivers in the zone within the zone time window;

- compiling a list of all objects missing from the plurality of receivers in the zone; and

- comparing the list of all missing objects to the list of all missing asset files to determine which of the missing objects to retransmit to each of the plurality of receivers in the zone.

68. (Previously Presented) The digital media distributor system of claim 67, wherein determining which of the plurality of objects to retransmit further comprises:

comparing the Delivered File Log received from each of the plurality of receivers to a list of objects transmitted from the central site to each of the plurality of receivers in the zone within the respective receiver time window;

compiling, for each of the plurality of receivers, a list of all objects missing from the respective receiver; and

comparing the list of all missing objects for each of the plurality of receivers to the list of all missing asset files for the plurality of receivers in the zone and to the list of all missing objects for the plurality of receivers in the zone to determine which of the missing objects for the respective receiver to retransmit to the respective receiver.

69. (Previously Presented) The digital media distributor system of claim 61, wherein each response document comprises a Content List, each Content List comprising an inventory of objects at the respective receiver.

70. (Previously Presented) The digital media distributor system of claim 69, wherein the RDP module utilizes the response document received from each of the plurality of receivers to manage the inventory of objects at the respective receiver by:

comparing the Content List received from each of the plurality of receivers to an asset inventory list for the zone;

compiling, for each of the plurality of receivers, a Purge List of all objects in the respective Content List that are not in the asset inventory list for the zone; and

instructing each of the plurality of receivers to delete objects listed in the respective Purge List.

71. (Previously Presented) A computer readable medium containing a computer program for object retransmission without a continuous network connection in a digital media distributor system, the computer program comprising program instructions for:

transmitting a plurality of objects from a central site to each of a plurality of receivers in a zone;

receiving a response document from each of the plurality of receivers, each response document being asynchronously transmitted from the respective receiver to the central site; and

determining which of the plurality of objects to retransmit to each of the plurality of receivers based upon the received response documents.

72. (Previously Presented) The computer readable medium of claim 71, wherein the plurality of objects comprises a plurality of asset files and a plurality of system support files, the plurality of asset files comprising a plurality of media files and the plurality of system support files comprising an upcoming playlist.

73. (Previously Presented) The computer readable medium of claim 72, wherein each response document comprises a Missing Asset List and a Delivered File Log.

74. (Previously Presented) The computer readable medium of claim 73, wherein each Missing Asset List comprises one or more asset files included in the upcoming playlist and missing from an inventory of asset files at the respective receiver.

75. (Previously Presented) The computer readable medium of claim 74, wherein each of the plurality of receivers contacts the central site at regularly scheduled call back times, the time period between successive call back times being a receiver time window for the respective receiver.

76. (Previously Presented) The computer readable medium of claim 75, wherein each Delivered File Log comprises one or more of the plurality objects received by the respective receiver and a received time for each of the one or more received objects, wherein each received time is within the receiver time window for the respective receiver.

77. (Previously Presented) The computer readable medium of claim 76, wherein determining which of the plurality of objects to retransmit comprises:

- analyzing the Missing Asset List received from each of the plurality of receivers;

- compiling a list of all asset files missing from the plurality of receivers in the zone;

- calculating a zone time window, the zone time window being a period of time beginning when a prior zone time window ended and ending when a first receiver in the zone contacts the central site;

- analyzing the Delivered File Log received from each of the plurality of receivers;

compiling a list of all objects received within the zone time window by the plurality of receivers in the zone;

comparing the list of all received objects to a list of objects transmitted from the central site to each of the plurality of receivers in the zone within the zone time window;

compiling a list of all objects missing from the plurality of receivers in the zone; and

comparing the list of all missing objects to the list of all missing asset files to determine which of the missing objects to retransmit to each of the plurality of receivers in the zone.

78. (Previously Presented) The computer readable medium of claim 77, wherein determining which of the plurality of objects to retransmit further comprises:

comparing the Delivered File Log received from each of the plurality of receivers to a list of objects transmitted from the central site to each of the plurality of receivers in the zone within the respective receiver time window;

compiling, for each of the plurality of receivers, a list of all objects missing from the respective receiver; and

comparing the list of all missing objects for each of the plurality of receivers to the list of all missing asset files for the plurality of receivers in the zone and to the list of all missing objects for the plurality of receivers in the zone to determine which of the missing objects for the respective receiver to retransmit to the respective receiver.

79. (Previously Presented) The computer readable medium of claim 71, wherein each response document comprises a Content List, each Content List comprising an inventory of objects at the respective receiver.

80. (Previously Presented) The computer readable medium of claim 79, wherein the computer program further comprises program instructions for:

utilizing the response document received from each of the plurality of receivers to manage the inventory of objects at the respective receiver.

81. (Previously Presented) The computer readable medium of claim 80, wherein utilizing the response document received from each of the plurality of receivers to manage the inventory of objects at the respective receiver comprises:

comparing the Content List received from each of the plurality of receivers to an asset inventory list for the zone;

compiling, for each of the plurality of receivers, a Purge List of all objects in the respective Content List that are not in the asset inventory list for the zone; and

instructing each of the plurality of receivers to delete objects listed in the respective Purge List.